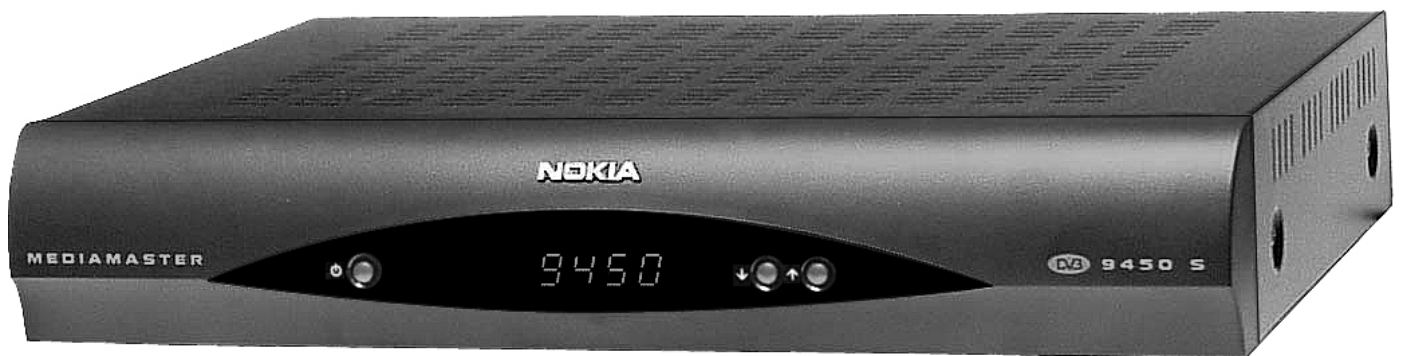


Owner's Manual

MEDIAMASTER 9450 S



NOKIA
CONNECTING PEOPLE

MEDIAMASTER 9450 S

Contents

FOR YOUR SAFETY	4	The Radio button	15
Rear panel	4	Volume level	15
Front panel	5	List of TV channels	15
INSTALLATION OF THE MEDIAMASTER	5	List of Radio channels	16
Connecting the Mediamaster to the satellite dish	6	Video recorder	16
Connecting the Mediamaster to a TV set	6	Subtitling and Teletext. The TEXT Button	16
Connecting to a TV and a video recorder	7	SETTING FROM THE MAIN MENU	16
If your VCR does not have a SCART-Connector	7	TV channels and radio channels	17
Connecting to an analogue satellite-receiver and a video recorder	7	TV Guide and Radio Guide	17
Connecting to Hi Fi system	8	Edit Channels	17
Preparing the remote control	8	Rearrange List	18
Before you continue	8	Rename List	18
REMOTE CONTROL	9	Add channels	18
BASIC SETTINGS	10	Lock channels	18
Tuning procedure when RF Connections are used	10	Rearrange channels	19
The Welcome Menu	11	Remove channels	19
Language settings	11	USER PREFERENCES	19
Antenna Satellite configuration	11	Parental control	19
Automatic channel Search	12	Language settings	20
Manual channel Search	13	System settings	20
VIEWING TV	13	On/Off Timer setting	21
General information	13	GAME	21
TV screen format	14	INSTALLATION SUBMENU	22
Start/stop watching TV	14	Antenna Satellite configuration	22
Select channel	14	Automatic channel search	22
Program Information, the i button	14	Manual channel search	22
TV Guide	15	Advanced channel search	22
		Reinstall	23
		System Information	23
		GLOSSARY OF TERMS	24
		PROBLEM SOLVING	25
		TECHNICAL SPECIFICATION	26
		MENUS SCREEN STRUCTURE	27

Nokia Multimedia Terminals operates a policy of continuous development. Therefore we reserve the right to make changes and improvements to any of the products described in this manual without any prior notice.

The EMC Directive 89/336/EEC is applied to this product.

DiSEqC is a trademark of EUTELSAT

Nokia is a registered trademark of Nokia Corporation.

Copyright 2000. Nokia Multimedia Terminals.

All rights reserved.

FOR YOUR SAFETY

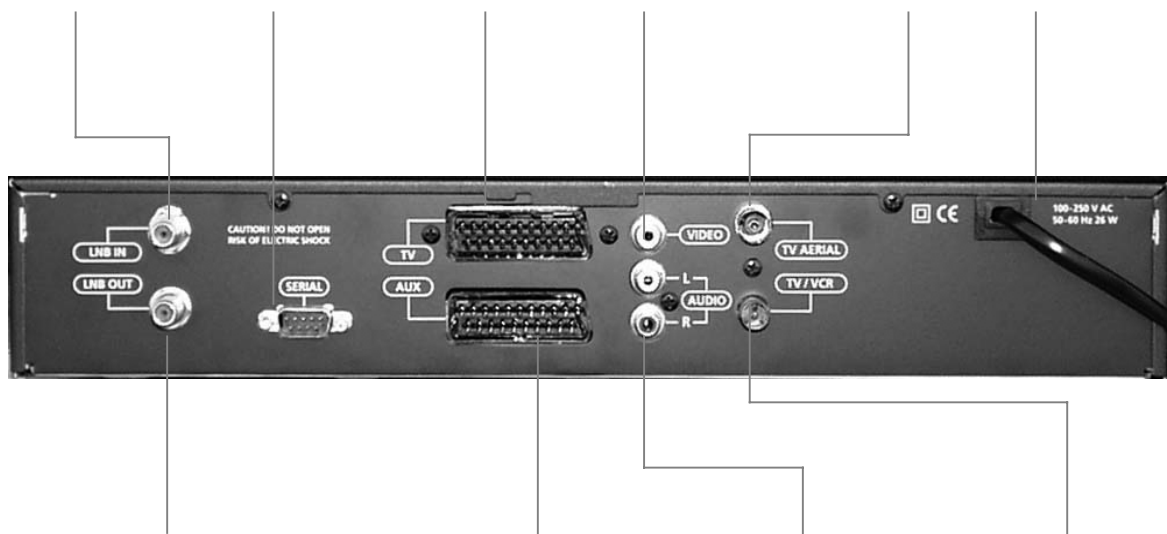
Keep a clear space around the Mediamaster to allow for sufficient ventilation.

Do not cover the Mediamaster or place it on a unit that emits heat.

- Use a soft cloth and a mild solution of dish washing liquid to clean the casing.
- Never allow liquids, spray or other materials to come into contact with the inside of the Mediamaster.
- Service should be carried out only at a Nokia authorized service center.
- Do not connect or modify cables when the Mediamaster is plugged in.
- Do not remove the cover.
- Do not allow the unit to be exposed to hot, cold or humid conditions.
- Please note that the only way to isolate the Mediamaster completely from the 230 V mains supply is to unplug the mains lead!

Rear panel

LNB input Satellite dish input (F-connector).	RS232 For a PC.	TV SCART For the audio /video input of the TV set.	VIDEO OUTPUT Composite video signal output for a TV set.	TV AERIAL For a terrestrial (conventional) TV aerial.	POWER CABLE 230 V AC 50 Hz
---	---------------------------	--	--	---	---



LNB output
Satellite signal (IF) output
with loop through. For
connection to the other
satellite receiver if needed.

AUX SCART
For connection to a
VCR or an analogue
satellite receiver.

AUDIO L R
Stereo outputs for
connection to a HiFi
system.

TV/VCR
For an RF-Cable
to the aerial
input of the TV
or VCR.

Front panel

Power

To turn the receiver on/off (standby).

Up/Down

Select channel number, up/down.



Display

Shows channel number, remote control signal and time in standby mode. At start up, it displays the model number.

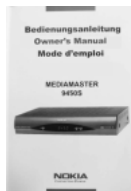
INSTALLATION OF THE MEDIAMASTER

The box for your Mediamaster should contain the following items:

Mediamaster 9450S includes



SCART-Cable



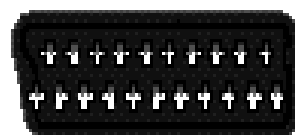
Owner's Manual



Remote Controller and Batteries

About the SCART sockets

The rear panel of the Mediamaster is equipped with 2 **SCART** sockets. **When you connect other products to any of these sockets, always use fully featured SCART cables** (as supplied). There are less well specified SCART cables on the market and picture quality could be reduced if you use them.

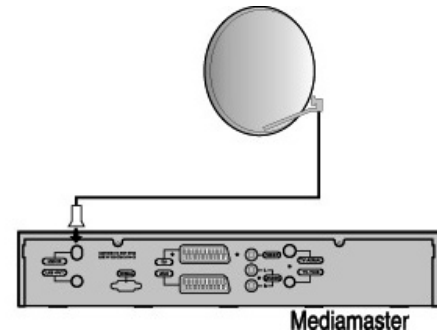


SCART cables are also necessary to get stereo sound from a stereo TV and video recorder.

Connecting the Mediamaster to the satellite dish

Installing the satellite dish

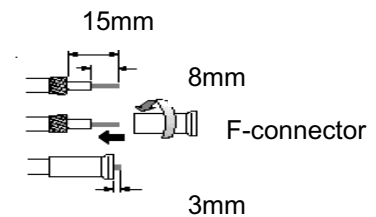
- Your satellite dish should be installed with a cable for you to connect to the Mediamaster. If you do not have this cable you will need to buy one from a dealer (tell the dealer you need a coaxial cable and F-connectors).
- Connect the cable from the satellite dish to the socket marked LNB IN on the back of the Mediamaster.



If you need to fit the F-connectors onto the cable

Prepare each end of the cable as shown in the diagram. You will need to fold back the outer braid (as shown).

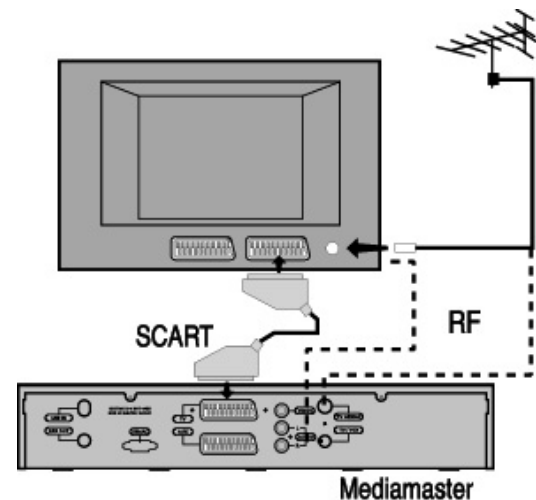
- Slide the F-connector onto the cable, and then turn it clockwise until it grips the braid.
- Ensure that 3 mm of the core is protruding from the end of the connector.



Connecting the Mediamaster to a TV set

There are many different types of TV/VCR and other equipment that you can connect to the Mediamaster. In this manual you will see some of the most common ways to connect your equipment. If you use RF cables you will have to tune your TV and VCR to the Mediamaster output channel. If you have problems with your connections and need help, contact **your dealer or Service Provide**.

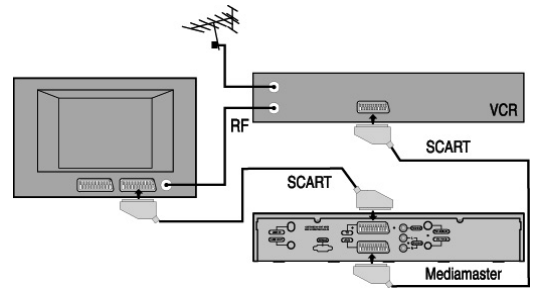
- Connect the SCART cable between the main SCART socket on the TV and the TV SCART socket on the Mediamaster.
- Connect an RF cable from the TV/VCR output on the Mediamaster to the RF input socket on the TV.
- Connect the TV aerial to the TV AERIAL input socket on the Mediamaster.



Connecting to a TV and a Video recorder

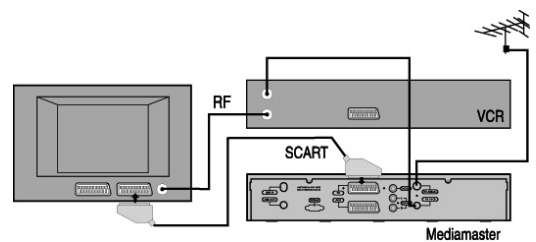
Refer to your video recorder manual for full instructions.

- Connect one SCART cable between the main SCART socket on the TV and the TV SCART socket on the Mediamaster.
- Connect another SCART cable between the VCR and the AUX SCART socket on the Mediamaster.
- Connect the RF cable from the RF output on the VCR to the TV aerial input on the TV.
- Connect the TV aerial to the RF input socket on the VCR.



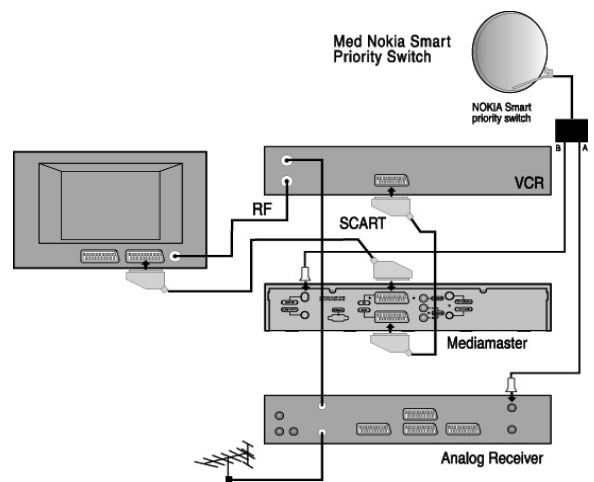
If Your VCR does not have a SCART connector

- Connect a SCART cable between the main SCART socket on the TV and the TV SCART socket on the Mediamaster.
- Connect an RF cable from the RF output on the VCR to the TV aerial input on the TV.
- Connect an RF cable from the TV/VCR output on the Mediamaster to the RF input socket on the VCR.
- Connect the TV aerial to the TV AERIAL input socket on the Mediamaster.



Connecting to an Analogue satellite receiver and a Video recorder

- Connect a SCART cable between the main SCART socket on the TV and the TV SCART socket on the Mediamaster.
- Connect a SCART cable between the VCR and the AUX SCART socket on the Mediamaster.
- Connect an RF cable from the RF output on the VCR to the TV aerial input on the TV.
- Connect an RF cable from the RF output on the Analogue receiver to the RF input socket on the VCR.
- Connect the TV aerial to the RF input socket on the Analogue receiver.



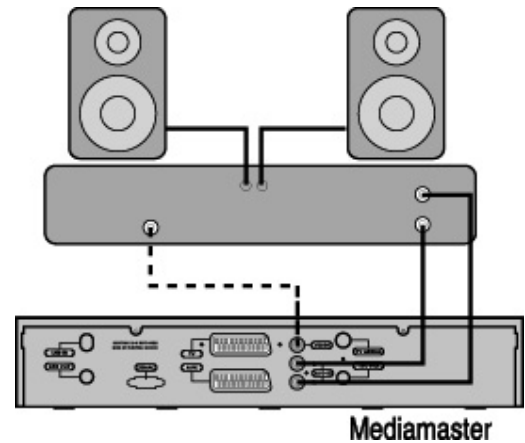
In order to switch the signal from the dish between the analogue and digital receivers, you need a Universal Twin LNB.

- Cable A between output **A** on the LNB to the LNB socket **on the analogue receiver**.
- Cable B between output **B** on the LNB to the ANTENNA socket **on the Mediamaster**.

Both the VCR and the analogue satellite receiver must be tuned to different UHF channels (than the Mediamaster) when using RF-connectors.

Connecting to Hi Fi system

Connect an RCA/Cinch stereo cable from the AUDIO L R sockets on the Mediamaster to the LINE, AUX, SPARE or EXTRA input sockets on your Hi Fi system.



Preparing the remote control

- Remove the cover on the battery compartment at the bottom of the remote control handset.
- Insert the 2 x AAA (1,5 V) batteries, as shown in the diagram, taking care to observe the + and - markings indicated inside.
- Replace the cover.













Before you continue

Please read this information concerning menus.

A menu is a field of text shown on the TV screen. These menus contain different kinds of information and give the possibility to select between alternatives. At the bottom of the screen you will normally also see a short explanation of your options. A menu may contain several lines. Selectable lines are highlighted. Non-highlighted lines are not selectable.

REMOTE CONTROL

This section describes how to operate the Mediamaster using the buttons on the remote control. Some of the functions can also be carried out using the buttons on the front panel.

-  Switch the Mediamaster in and out of standby mode.
- EXIT TV**  Return to the viewing mode from a menu without storing settings (in menu mode).
 Switch between TV or Radio (in viewing mode).
-  Turn the sound off/on (mute).
-  Adjust the volume of digital programmes.
 The Mediamaster s maximum level is controlled by the TV s present volume setting.
- 0 — 9** Change channel and to select individual menu options.
 Note: If 0 is entered as the first digit, the TV Release functionality is activated (see below)
- 0** TV Release. To switch between digital TV/Radio, analogue TV and analogue satellite TV and VCR, when your systems are connected by SCART cables.
- i** Info. To display short and extended information (if transmitted) about current and next programmes.
- BACK** Go back one level in the menus without storing settings.
- TEXT** Select teletext information. Press to enter Teletext (if available).
- MENU** Show the Main Menu screen.
- GUIDE** Obtain a list of present and following programmes for the available channels. This information is only shown if your Service Provider transmits programme information (EPG information).
- P+ P-** Change channels up and down by one unit.
-  Change page in a menu/list/text if more than one page is available. To browse through teletext history.
-  Move up/down in the menus and to change channels.
-  Change settings in menus
- OK** Confirm choices and selection of a highlighted item.
 To display the TV/Radio channel list.
-  (Red) Reserved for future application.
- OPTION** (Green) To select service options in viewing mode.
- FREEZE** (Yellow) To select the freeze function.
 Press once to freeze the screen picture.
 Press any other key to go to normal mode again.
-  (Blue) To toggle between present and previous TV/Radio channels.



BASIC SETTINGS

Once you have correctly connected the Mediamaster, you also have to perform some **Basic Settings** . During this procedure, helpful information is displayed at the bottom of the menus.

Please note!

The **OK** button always **confirms** a selection within these menus, and pressing it will take you to the next step in the installation process. However, and this is important, often more than one value has to be entered in a menu. First, perform all necessary settings on the different lines. Then, confirm them all simultaneously by pressing **OK**.

You can always go back to the previous menu by pressing the **BACK** button.

Use the buttons to move upwards and downwards from one line to another. Use to change settings. You can also use the numeric buttons on the remote control to select a line in a menu and to enter numeric values.

Tuning procedure when RF connections are used

This procedure is necessary only if your Mediamaster is connected to the TV with an RF cable.

To tune your TV to the RF signal you might also need your TV manual in addition to this manual. The steps below explain what to do if you have been unable to use SCART cables in your connection.

- Plug in your Mediamaster.

Tuning your TV to the Mediamaster.

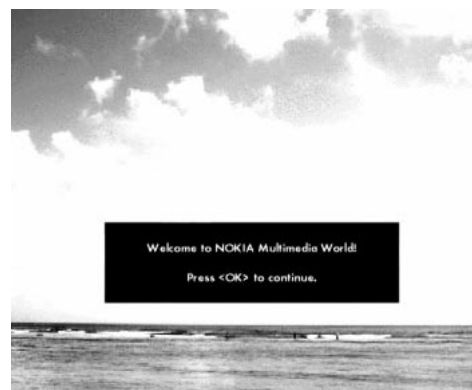
- Select a channel number on the TV that is not currently used for other TV channels.
- Follow the instructions in your TV manual to tune the TV channel selector to UHF channel 43 (this is the Mediamaster's factory preset UHF channel). If you are already using this channel, select another non-occupied UHF channel between 21 to 69 on the TV.
- When you have correctly changed the UHF channel number you will see the **Welcome** menu on the TV screen. If there is interference from other channels you will have to change the chosen UHF channel.
- Follow the instructions in your TV manual to store this UHF channel as the channel used by your Mediamaster. You will have to select this channel when you want to watch digital TV/Radio channels.
- Once the welcome message is visible, press the **OK** button on the Mediamaster's remote control to start the installation procedure.

If for some reason you have to change the RF channel later, you can do this by using **System Settings** menu further on in this manual. If you have a VCR connected it must be tuned to a different UHF channel (between 21 to 69) than the Mediamaster.

You may now proceed to **The Welcome Menu**.

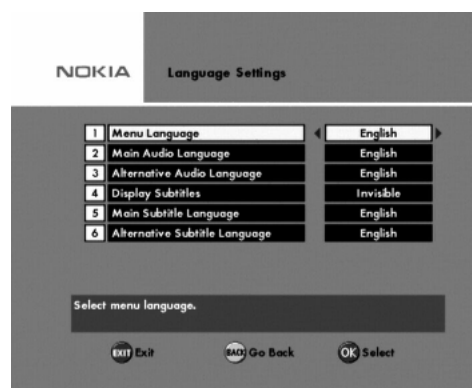
The Welcome Menu

To install the Mediamaster properly you have to adjust a few settings. You will always be guided by the information at the bottom of the menus. When you have finished the final part of the setup procedure you can start watching TV channels and listening to radio channels. Now you should have the Welcome Menu on the TV screen. Press the **OK** button to proceed.



Language Settings

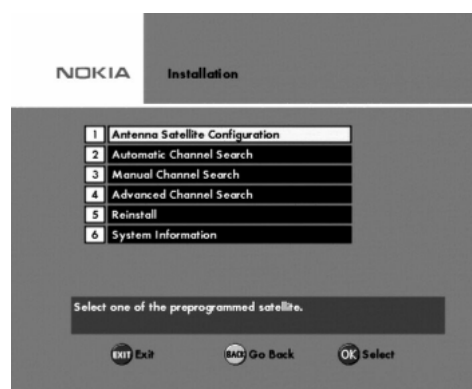
Select the menu language that you desire. This will define the language shown in the menus. This will also be the main language for all the other parts such as audio and subtitling languages. Press the **OK** button to proceed.



Installation

In order to configure your equipment (satellite dish and LNB) you will need to use the following menus.

The LNB is the receiving unit, which is mounted on the satellite dish. For the following setup procedure you have to know the Local Oscillator (LO) frequency valid for your LNB(s).

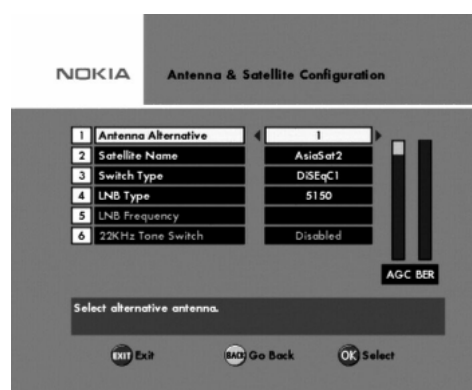


Antenna Satellite Configuration

Highlight **Antenna Satellite Configuration** and press the **OK** button. You can configure the antenna for each satellite from this menu.

Antenna Alternative:

Select an Antenna alternative from **1** to **16**. Please note, that the parameters in the menu are pre-programmed, but you can change any of them to suit your combination.



Satellite name: From here you can select a name for the configuration.

Switch Type:

There are in principle two kinds of external DiSEqC switches on the market at present. One for connection of two LNBs. The other one for connection of up to 4 LNBs.

If you have the other switch, defined as DiSEqC, Level 1 or 2 on the market, select **DiSEqC 1, 2, (3 or 4)**, for each LNB connected to respective inputs on this switch.

LNB Type:

Selection is possible for different kinds of LNBs. Select the frequency for the LNB, which is valid for your combination. You may also enter a value with the numbered buttons on the remote control. The LNB alternatives are: **Universal** (which is the most common), 5.150, 9.750, 10.000, 10.050, 10.600, 10.750, 11.200, 11.475.

If you have special LNB type, you should select **User Define** on this menu. And you can enter a new LNB frequency in the following LNB Frequency menu.

LNB Frequency:

You can enter a special LNB frequency, which is not presented in the LNB Type list as above.

22 KHz Tone Switch:

If you have connected to a Dual LNB or two antennas connected to a 22 KHz tone switch box, set it to **Enable** the 22 KHz tone switch.

When you have finished the settings in this menu, press the **OK** button to save the parameter. Press **BACK** to continue with the channel search set-up

(You can also recall this menu later. From the Main Menu; select **Installation** and then **Antenna Satellite Configuration**).

Automatic Channel Search

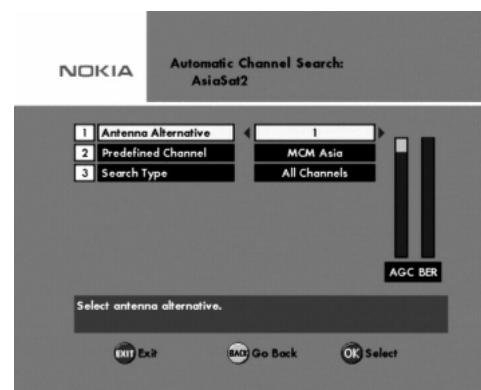
Highlight **Automatic Channel Search** using the down arrow button on the remote control. Mediamaster has pre-programmed Antenna/Satellite parameters for **Astra, HotBird, Arabsat, NileSat, PanAmsat 4, AsiaSat 2, AsiaSat 3, TurkSat 1B, TurkSat 1C** and **Other 1** to **Other 7**.

Antenna Alternative: Select the option, **1** to **16**, that corresponds to your antenna system.

Predefined Channel: Each antenna alternative has one or two pre-programmed channel parameters. Choose a channel from which you want to start the channel search. Normally, each of the pre-programmed channels gives the same result.

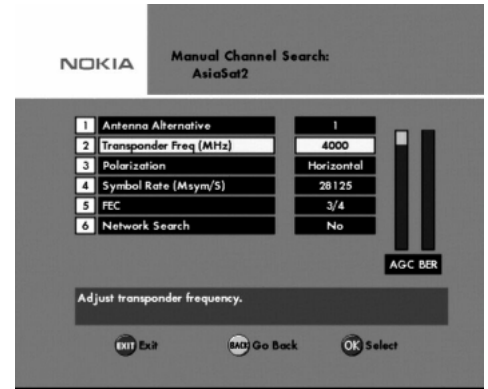
Search Type: Select **Free Channels** in order to search for free channels only.

Select **All Channels** in order to search all channels on the satellite.



Manual Channel Search

You can use manual channel search if you want to add new channels later. For example If you have a special antenna configuration which is not assigned in the **Antenna alternative** menu, you can add new channels using the **manual channel search** function. When you perform a Manual Search you first need to enter some parameters for the channel search to work. The information you need to enter in this menu is available in magazines covering satellite TV reception, on the Internet or from your Service Provider.



Antenna Alternative: Select Antenna Alternative **1** to **16** that corresponds to the antenna which you want to use for the search.

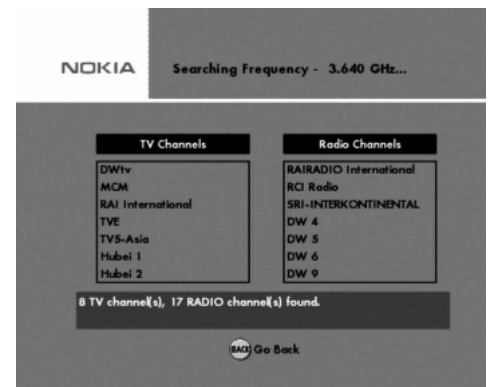
Transponder Freq (MHz): Specify the frequency in GHz. using the numbered buttons on your remote control. If you enter the wrong number, erase it with the left arrow button.

Polarization: Select polarization; **Horizontal** or **Vertical** .

Symbol Rate (Msym/S): Enter the rate with the **numbered** buttons.

FEC: Enter the appropriate Forward Error Correction (FEC) value or select **Auto** .

Network Search: Select: Yes to search from all transponders used by a specific Service Provider. (**Yes** is the default setting). Select **No** to search only from the transponder that you have entered on the line **Transponder Frequency** . (Useful if you do not want to search through all transponders for a specific program distributor).



By pressing the **OK** button you can now enter the channel search menu where the Mediamaster starts to search for channels from the satellite.

VIEWING TV

General Information

The following will describe the basic functions of your Mediamaster while watching TV or listening to radio channels.

Sometimes the information may not be displayed as illustrated. Many of the functions described here are dependent on the Service Provider and/or can only be used if they are included in the transmitted programme information.



Please note that during the Channel Search procedure, the Mediamaster has downloaded ALL available channels. This may include channels from various Service Providers, also those to which you normally do not have access. If you select a programme to which you do not have access, you will get the message **Service is scrambled or not running** on the screen.

TV Screen Format

If you have a TV set with a 4:3 picture format, and the transmission is in 16:9, you can select **4:3 (Pan & Scan)** or **4:3 (Letterbox)** to change display format. **4:3 (Pan & Scan)** will fill up the screen vertically, but cut off some information from the left and right sides of the picture. **4:3 (Letterbox)** will give a complete picture, but leave black areas at the top and bottom.

You can select the TV screen format in the **System setting** menu which is a subsidiary of the **User preference** menu.

Start/Stop Watching TV

To start the Mediamaster from stand-by mode, press the  button or one of the numbered buttons on the remote control. It is also possible to start by pressing the button on the front of the Mediamaster. Put the Mediamaster into stand-by by pressing again the  button again. In stand-by mode the display will show the correct time. During viewing the channel number will also be displayed.

Select Channel

Change channel with the numbered buttons or with the up/down buttons on the remote control.

You can also use the buttons up/down on the front panel of the Mediamaster.

You can also select TV (Radio) channel in the TV (Radio) channel list. See the **List of TV Channel** and **List of Radio Channel** of page 15 and 16.

Program Information. The **i** Button

Every time you change channel you will receive information for 4-5 seconds about the current programme. This information includes: Channel number, name, programme title, and time for present and following programmes. Press **i** while watching a channel. If your Service Provider transmits programme information you will see: Correct time, a small amount of information for the current and next programme, the name and number of the channel, and finally the start and finish time for the programme.

If you want to get more detailed information, press **i** once more while the information box (banner) is shown. You will get extended information (if transmitted) about the current or next programme.



TV Guide

By pressing the **GUIDE** button you obtain access to the **TV Guide** which gives the titles of the current programmes on the different channels. By pressing the **LEFT** or **RIGHT** button you also can also obtain information about the next programme. The minimized viewing window also helps you to select channels and information. Use the **Up/Down** buttons to move the cursor to different programme areas. You can obtain extended information for a programme by pressing the **i** button.



The Radio Button

The display on your Mediamaster and on the TV screen will show the name of the audio channel you are listening to. While in audio mode, you can press the **i** button to get extended information (if transmitted) about the audio programme. Return to TV mode by pressing the **TV** button again.



Volume Level

Increase or decrease the sound level by pressing the **+** and **-** buttons. A control bar will be displayed at the top of the screen during level adjustment. (The max. level for volume is the current volume setting on the TV set). Please note, that the volume adjustments also change the volume level of to your VCR during recording. It is possible to turn the sound on and off with the **M** button. Sound off is indicated with the same symbol on the screen. If you turn the volume off with this button, it does not affect the volume of the VCR during recording. The current volume level will be remembered when you go to standby mode.



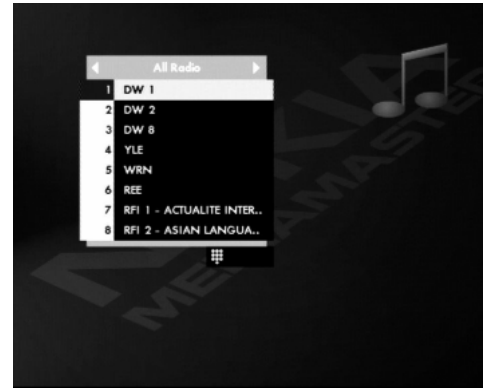
List of TV Channels

While viewing the TV you can see a programme list on the screen by pressing the **OK** button. You can change to another channel by pressing the **UP/DOWN** buttons and then pressing the **OK** button. To move faster (8 channels at a time) between channels you can also use the **DOUBLE ARROW** buttons.



List of Radio Channels

While listening to radio Programmes you can see a programme list on the screen by pressing the **OK** button. You can change to another channel by pressing the **UP/DOWN** buttons and then pressing the **OK** button. To move faster (8 at the time) between the channels you can also use the **DOUBLE ARROW** buttons.



Video Recorder

With a Video Cassette Recorder (VCR) connected you can watch/record video tapes. If your VCR is connected with a SCART cable and you press the start button on the VCR, the playback will start and interrupt the TV programme from the Mediamaster.

To watch TV programmes again, press the **TV** button or stop the VCR.

Please note, that during the recording of a programme, **everything** shown on the screen will be registered! For example: If you call up a Menu from the Mediamaster on the screen, the menu will be recorded!

Subtitling and Teletext. The TEXT Button

Pressing the **TEXT** button once while watching TV enables the teletext output to the TV.

To enable the teletext display on the TV, press the **Teletext** button on the TV s remote control.

This is only possible if more than one subtitling language is being transmitted. Please refer to the instruction manual of your TV for the teletext function. Exit the menu by pressing the **TV** button.

SETTING FROM THE MAIN MENU

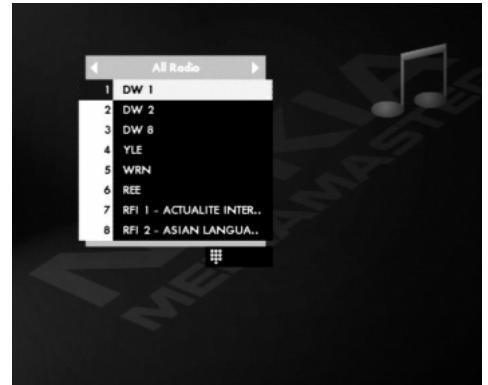
Press the **MENU** button and you will get the Main Menu on the TV screen. Press the **EXIT** button to leave the menu.

If you select one of the highlighted titles and press the **OK** button, a submenu will be shown on the TV screen. From a submenu you can adjust settings to your own requirements.



TV Channels and Radio Channels

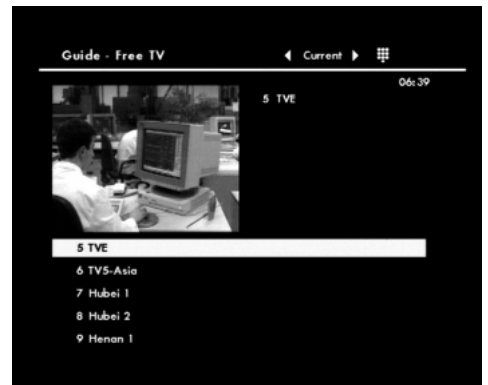
TV/Radio Channels will show a list with the names of the different channels. To move faster within the list, use the **DOUBLE ARROW** buttons. Press **OK** to enter a marked channel.



TV Guide and Radio Guide

These guides will give you an overview of programme information from the TV/Radio channels. Step to different channel numbers with the **UP/DOWN** buttons. If you stop on a highlighted line and press **OK**, you will exit the menu and enter the highlighted channel. Select information about the **next** programme with the **RIGHT** button. Use the **i** button to get extended information about a marked programme.

Please note, that information will only be shown if it is included in the transmission.

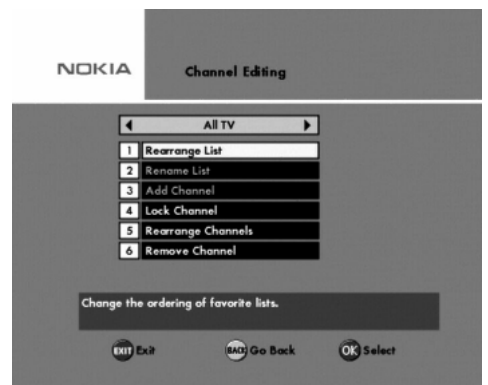


Edit Channels

From this menu, you can rename favorite lists, add channels, remove channels and arrange the channels in a preferred order.

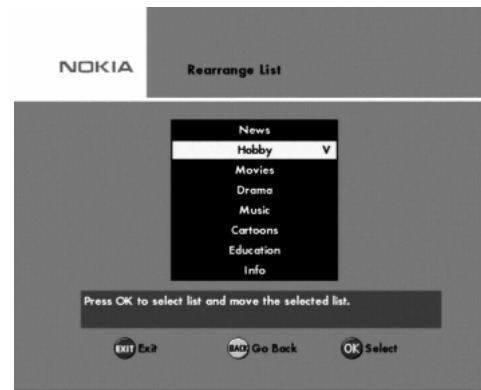
The **All TV** list displays all channels, which you captured from the channel search operation in the installation menu

The **All TV** list can contain hundreds of channels. By creating your own favorite lists you can make channel handling a bit more convenient.



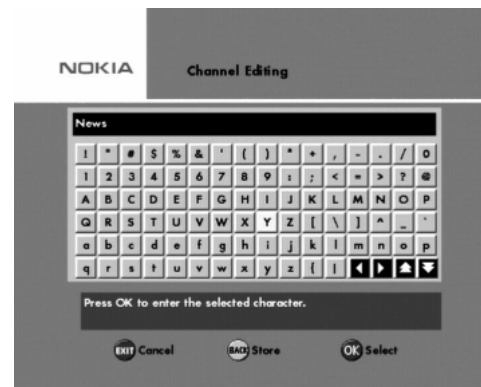
Rearrange List

If you have created several Favorite lists you can determine the sequence in which the lists will appear. To rearrange channels, select the list which you want to move using the **OK** button. Move the channels to the desired position using the **UP/DOWN** button and press **OK**.



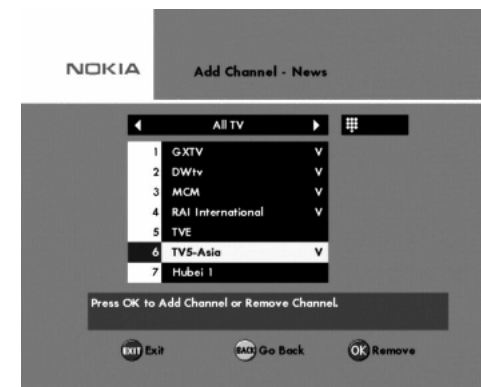
Rename List

You can change the list name with the virtual keyboard on the screen. Type in the text you want using the remote control arrow keys. Please note that the **All TV** , **All Radio** , **Free TV** and **Free Radio** can not be changed. Delete the existing characters by pressing **OK** on the **left** arrow key of the keyboard. Select the characters using the **LEFT** and **RIGHT** buttons. Press the **OK** button to enter the text selected. To save the renamed list, press the **BACK** button. To select various characters, press **OK** on the page **UP/DOWN** box of the keyboard.



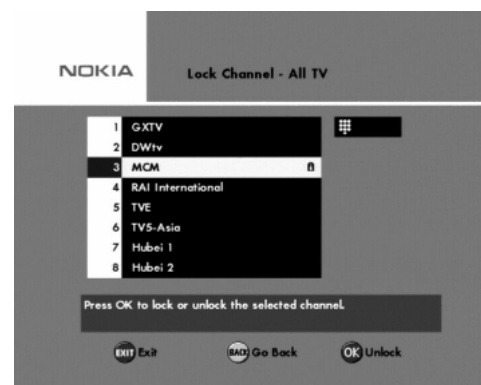
Add Channels

From here you can create your own favorite lists, containing the channels you watch most frequently. You can give each list a specific name in the **Rename List** menu. When a favorite list is selected, you see only those channels defined in the list. You can add channels to your Favorite Lists from the **All TV** , **All Radio** , **Free TV** and **Free Radio** list. A channel is added by pressing the **OK** button. The **V** marking to the right on a line contains added channels.



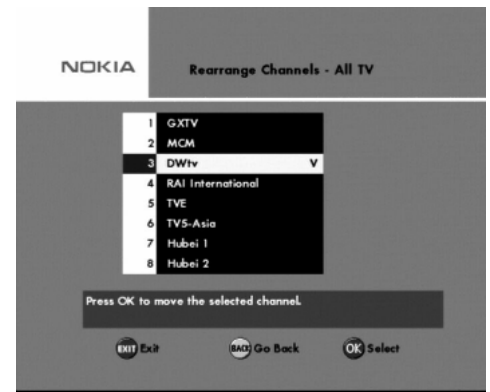
Lock Channels

To get to this menu you need an access code. The default access code is **1234** . From here you can lock (and later unlock) channels in any of the lists in order to prevent e.g. your children from watching. Select the channel you want to lock and press the **OK** button. A locked channel will be marked with a padlock symbol. Repeat the procedure for each channel you want to lock. When you lock a channel in any list, the channel will automatically be locked in all other lists. When watching TV, you will be asked to enter your access code before you can watch a locked channel.



Rearrange Channels

You can arrange the order of channels within your favorite lists. To rearrange channels, select the channel which you want to move using the **OK** button. Move the channels to the desired position using the **UP/DOWN** button and press **OK**.



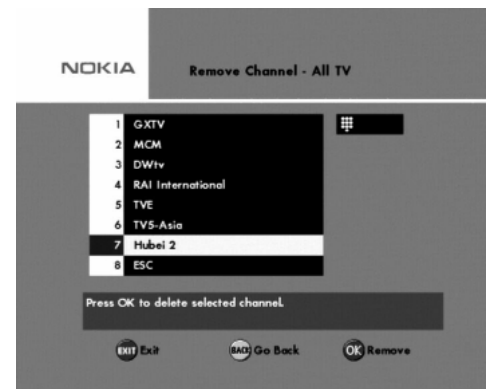
Remove Channels

From here, when the **All TV** list is selected in the **Edit Channels** menu, you can remove channels.

Please note. Channels deleted this way will be permanently removed. The only way to get them back is to perform a new channel search.

To remove channels:

Select the channel that you want to delete and press **OK**. You will be asked if you really want to remove it. If so confirm by pressing **OK** once more. If not, press **BACK**.



USER PREFERENCES

From here you can change the menu language. You also have access to the Parental Control and the Appearance menus.

Parental Control

By pressing **OK** on the line **Parental Control** you will be requested to enter your access code. (Personal Identification Code).

This code is set to **1234** by the factory. You will then get the menu from where you can lock some functions in the Mediamaster.

Receiver lock

If you select **On**, you will have to enter the access code every time you start the Mediamaster from stand-by.

Lock Installation Menu

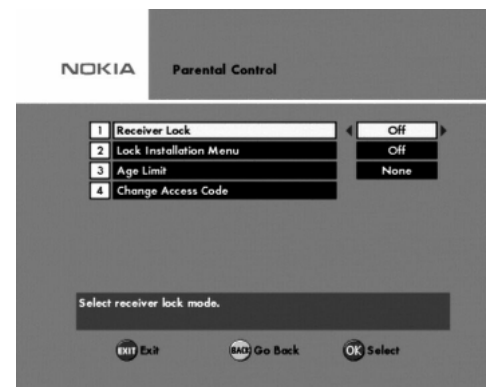
If you select **On**, you will have to enter the access code every time you enter the installation menu.

Age Limit

If you want everybody to have access to all available types of programmes, select **Off**.

If you select **On**, you may block programmes unsuitable for children. Select an age limit between 4 and 18 years on the line that appears.

However, you should be aware that not all Service Providers have the necessary codes for these functions implemented in their transmissions.



Change access code

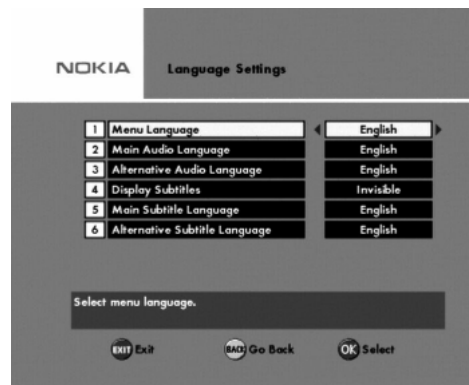
From here you can change the access code from the standard 1234.

DO NOT FORGET IT! Without it you do not have access to any of the functions where the code is required!

If you forget it, you have to contact an Authorized Nokia Service Center to get help.

Language Settings

From here you can change the language for the menus, main audio language and alternative audio language.



System Settings

From here you can adjust settings concerning your TV.

TV Screen Format: Select your TV screen format.

The 4:3 format is the standard format for most TV screens.

Select 16:9 for a wide screen TV.

Output Selection: If the teletext function does not work when watching channels from an analogue satellite receiver connected to the Mediamaster, change this setting from **RGB** to **Composite**.

UHF Channel Number: Select this alternative if you have to change the RF channel.

If you change the RF channel number, you must also change it to the same value on the TV. If you do not, the picture will become black.

RF Modulator Type: If the Mediamaster is connected to the TV by an RF cable, you can select the RF modulator type. The RF Modulator affects a channel's audio. If you get picture but no sound, the RF modulator selection might be wrong. Select **UK (PAL I)** if the Mediamaster is used in the UK. Select **Normal** if it is used elsewhere.

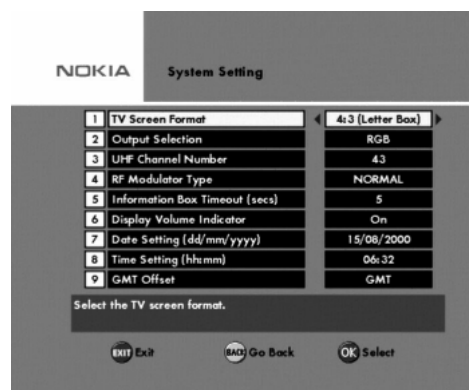
Information Box Timeout (secs): When you switch channels, an information banner will be shown for a few seconds. You can select for how long the banner will be shown.

Display Volume Indicator: Select whether or not you want the volume bar to appear on the screen when you change the volume.

Date Setting (dd/mm/yyyy): Used to set the current date, month and year.

Time Setting: Adjust the clock.

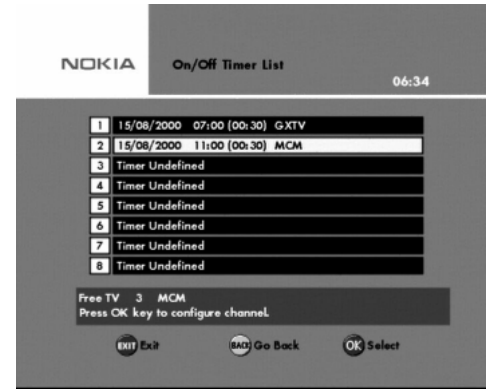
GMT Offset: Adjust the time difference in your country.



On/Off Timer Setting

You can enjoy this On/Off Timer for such a convenience as wake-up or automatic VCR recording. Mediamaster will be automatically switched-on and play specified channel for the specified time, and then switched-off.

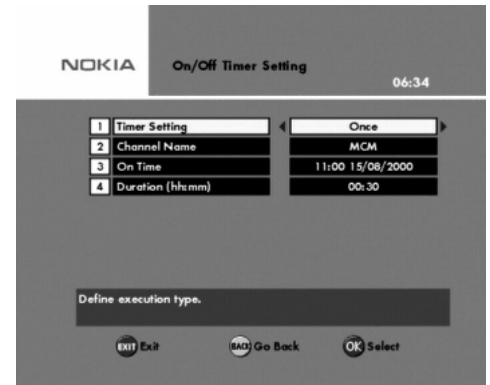
You may specify up to 8 separate lists with turn-on time, date, duration, channel and occurrence options.



Time Setting

You can select the operation mode of the On/Off timer by pressing **LEFT/RIGHT** button on the remote control.

- **Once:** The Mediamaster will be switched-on/off for the specified time only once.
- **Daily:** The Mediamaster will be daily switched-on/off for the specified time.
- **Weekly:** The Mediamaster will be weekly switched on/off for the specified time.
- **Off:** Cancel the operation of **On/Off timer**.



Channel Name: You can select channel from the TV or Radio list by pressing **LEFT/RIGHT** button on the remote control.

Select a channel you want to play and press **OK**.

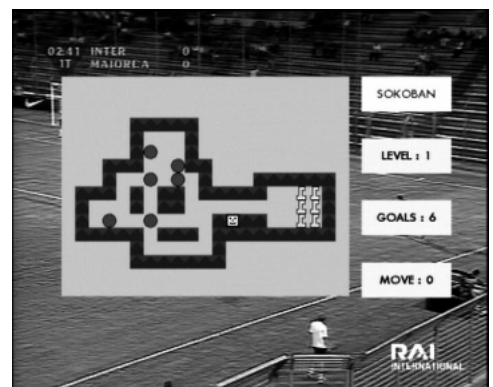
On Time: You can select time, date or day depending on your selection in "**Time Setting**" menu. The Mediamaster will be switched-on at the **On time** .

Duration (hh:mm): Mediamaster will keep playing for the time specified in this "**Duration**". For example, if you set 00:30, Mediamaster will be switched-off 30minutes after switched-on.

GAME

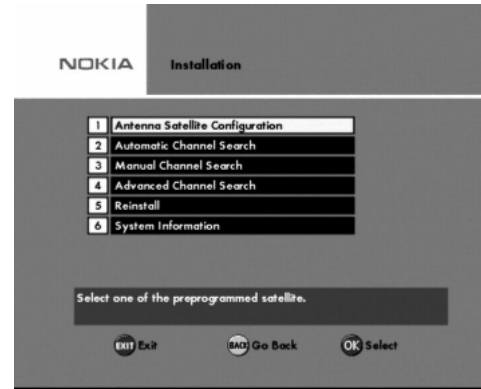
SOKOBAN

To start the game, select the game level by using the **LEFT** and **RIGHT** button and press **OK** button on the remote control. You can control the segment by **LEFT/RIGHT/UP/DOWN** button on the remote control. To finish the game, press **EXIT** or **BACK** button on remote control.



INSTALLATION SUBMENUS

Select this Menu from the line Installation in the Main Menu. The submenu will give you the opportunity to change the preferences performed during first time installation. You can also add features that were not included in the first installation. Please note that helpful information for every line is given at the end of the menu.



Antenna Satellite Configuration

Please refer to page 11.

Automatic Channel Search

Please refer to page 12.

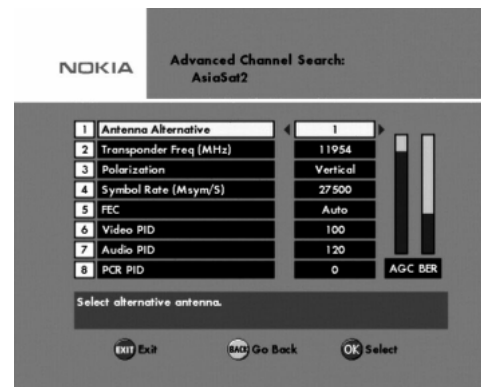
Manual Channel Search

Please refer to page 13.

Advanced Channel Search

The information needed to enter in this menu is available in magazines covering satellite TV reception, or from your Service Provider.

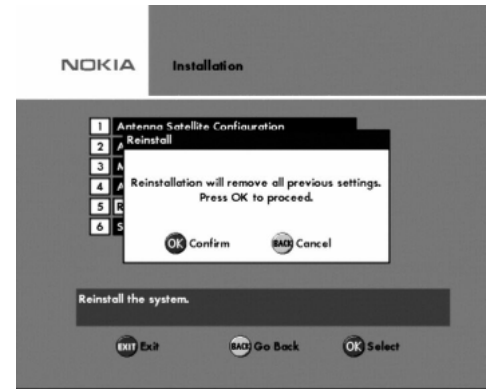
- **Antenna Alternative:** Select the satellite from which the signal is to be received.
- **Transponder Freq(MHz):** Enter using the numbered buttons on the remote control.
- **Polarization:** Select Horizontal or Vertical .
- **Symbol Rate(Msym/s):** Enter with the numbered buttons.
- **FEC:** Select Auto or the appropriate Forward Error Correction (FEC) value using the left/right button on the remote control.
- **Video PID:** Enter the PID (Packet Identifier) for the video signal.
- **Audio PID:** Enter the PID for the audio signal.
- **PCR PID:** Enter the PID for the PCR (Programme Clock Reference).



Reinstall

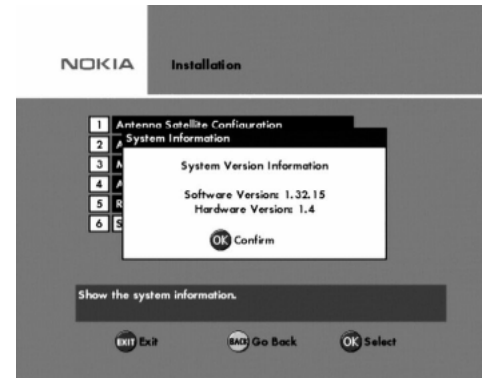
This will start the Installation procedure from the Welcome Menu .

When you press OK in the Welcome Menu again, be aware of the fact, that all previous channels and settings will be erased! To exit the Reinstall menu without erasing any channels, press Back .



System Information

This gives general information about which hardware and software version your Mediamaster is running on.



GLOSSARY OF TERMS

AGC

Acquisition Gain Control.

BER:Bit Error Ratio.

DiSEqC

Digital satellite Equipment Control.

The outdoor unit comprises the antenna, one or more LNBS polarizers and external components.

DVB

The Digital Video Broadcast group was created to establish a technical frame work for the introduction of digital video broadcasting systems.

EPG

Electronic Programme Guide. A software that enables viewers to navigate easily among the large number of channels provide by digital technology, in order to select the service they desire.

FEC

Forward Error Correction. Correction of faulty bits in the received signal.

GHz

The prefix giga means billion, and Hertz means cycles per second. Signal in the GHz range are often called microwaves.

LNB(Low Noise Block converter)

An electronic unit mounted on the satellite dish. It recovers the signals reflected by the dish and converts them to signal that can be used the mediamaster.

MHz

The prefix mega means million, and Hertz means cycle per second.

Medimaster

A unit that converts the digital satellite signal into audio and video signals. The audio and video signal can be send to the TV set either via SCART or via RF(modulator output).

MPEG

Moving Picture Experts Group. Body established by the international Standards Organization to provide the basis for a picture coding and Compression system.

Network

A number of digital channels transmitted from one source. Grouped under separate headings in the channel list.

Parental control

A feature that allows parents to lock: programmes that they consider unsuitable for children. A locked channel or programme can only be unlocked with the special parental access code.

ACCESS code

Personal Identification Number. A four -digit code stored in the memory. You can change ACCESS code on the User Preference Menu.

Polarization

Polarization allows several programmes to be fit into the same frequency band. The signal from the satellite are transmitted either with linear (Vertical or Horizontal) polarization or circular (right or left) polarization.

RF

Radio Frequency(known as HF in some countries).

SERIAL RS232

A serial communication standard data port.

Satellite dish

A dish-shaped antenna (reflector) that receiver signals from a satellite. The dish focuses the signals into the LNB.

SCART

A 21-pin connector used for connecting the Mediamaster, VCR and TV. Also named Euroconnector or Peritel connector.

Symbol rate

Size of the digital package transmission.

S.W

Software. Program code.

PID:Packet Identifier.

PCR:Program Clock Reference.

PROBLEM SOLVING

Problem	Possible causes	What to do
The display on the front panel does not light up/is not lit.	Mains lead is not connected.	Check that the mains lead is plugged into the power socket.
No sound or picture.	The satellite dish is not pointing at the satellite. No signal or weak signal. The LNB is faulty.	Adjust the dish. Check the signal level indicator in one of the channel search submenus. Check the cable connections, LNB and other equipment connected between the LNB and the receiver, or adjust the dish. Replace the LNB.
Bad picture/blocking error.	The satellite dish is not pointing at the satellite. Signal too strong. Satellite dish is too small. LNB noise factor too high. The LNB is faulty.	Adjust the dish. Connect a signal attenuator to the LNB input. Change to a larger dish. Change to an LNB with lower noise factor. Change the LNB.
There is no Welcome menu on the screen after you switched on the Mediamaster for the first time.	The system is connected by SCART cables and the TV is not in AV/EXT mode. The system is connected by RF cables and the TV is not set to the channel tuned for digital satellite TV.	If the system is connected by SCART cables, switch the TV to the appropriate AV input. If the system is connected by RF cables, switch the TV to the channel for digital satellite TV. If you have not tuned in the TV you may do this first. Please see the TV manual for instructions. You can also change the RF-channel in the Mediamaster. See TV settings.
There is interference on your digital satellite channels, an existing terrestrial channel or video signal.	The system is connected by RF cables and the output channel of the Mediamaster interferes with an existing terrestrial channel or video signal.	Change the Mediamaster output channel to a more suitable channel between 21-69, or connect the system by SCART cables.
You made a video recording of a digital satellite channel and the whole or parts of the programme were not recorded.	The Mediamaster was not left on the appropriate channel. The system is connected by SCART cables and the VCR is not in AV/EXT mode. The system is connected by RF cables and the VCR is not set to the channel tuned for digital satellite TV.	If you make a recording from digital satellite TV your Mediamaster has to be left on the channel you want to record. If the system is connected by SCART cables, switch the VCR to appropriate AV input. If the system is connected by RF cables, switch the VCR to the channel for digital satellite TV. If you have not tuned in the VCR you may do this first. Please see the VCR manual for instructions.

TECHNICAL SPECIFICATION

Transmission Standards DVB, MPEG 2

LNB/Tuner input

Connector	2 x F-type (Loop Through)
Input frequency	950-2150 MHz
Max Current	500 mA max
Supply Voltage	13 V/18 V
DiSEqC	1.0
RF Impedance	75 Ohm

Demodulator

QPSK	
Symbol rate	2-45 Msym/s
SCPC and MCPC	

Video decoder

MPEG-2 Main Profile @ Main Level	
Data rates	up to 15 Mbit/s
Video formats	4:3 (letterbox), 4:3 (Pan & Scan) 16:9

Audio decoder

MPEG-2 layer 1 & 2	
Stereo, Mono, Dual channel, Joint stereo	

System resources

Processor	108 MHz MIPS 32bits
CPU RAM	2 Mbytes
MPEG RAM	2 Mbytes
Flash ROM	2 Mbytes
Resolution	720 x 576
OSD	16 colours

RF Modulator

Output Channel	21-69
Output Signal	PAL B/G/I
Input/Output Connectors	IEC169-2 male/female
Preset Channel	43

TV SCART

RGB, CVBS, Audio

AUX SCART

CVBS, Audio

Audio Output

Hi-Fi 2 RCA Jack

Serial Data

9-pin D-sub RS232C signal	
Baud rates	15200baud max

Remote Controller

Type	RC 4661
Operating distance	10 meters
Batteries	2 x 1,5V AAA

Rear Panel Interfaces

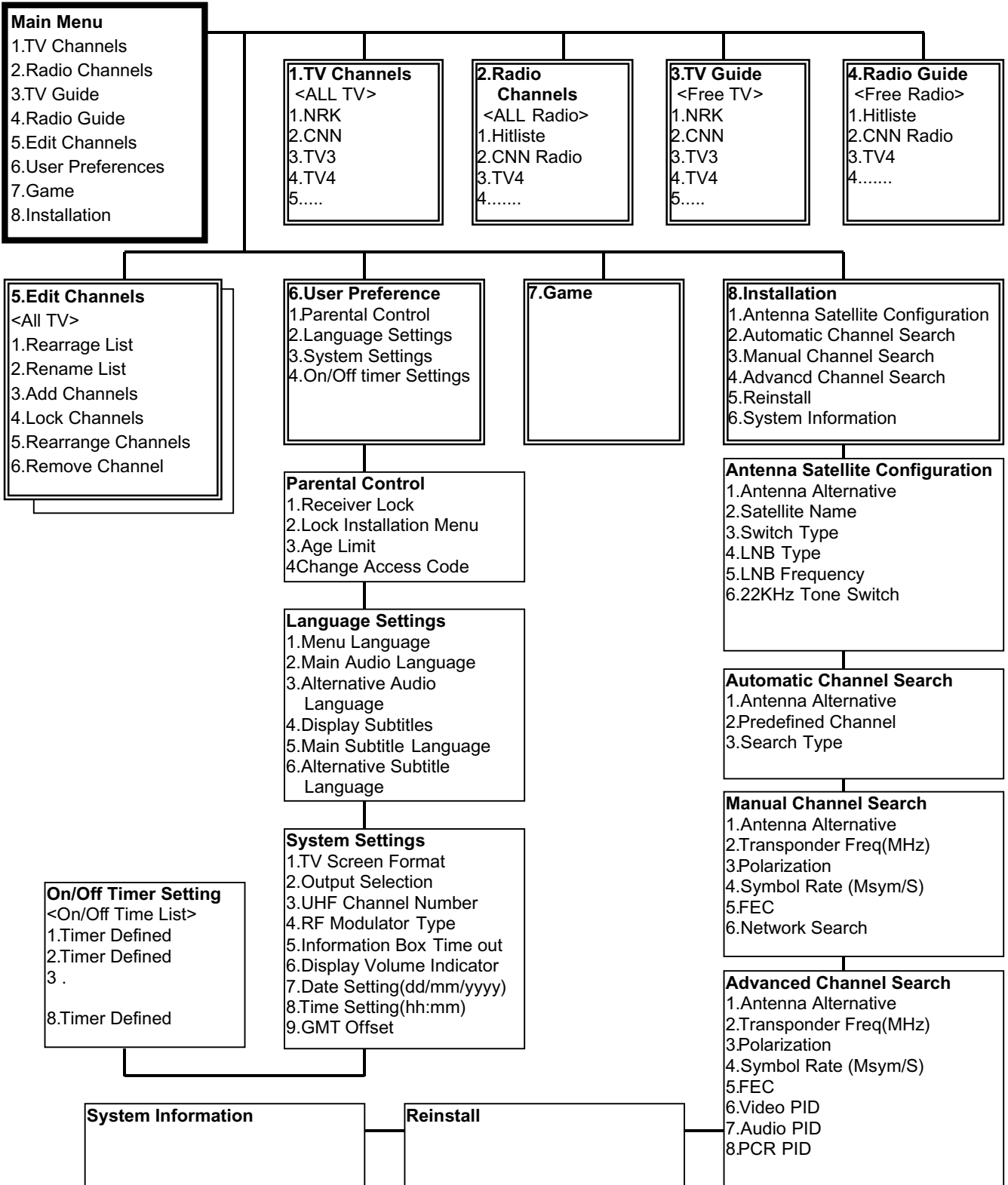
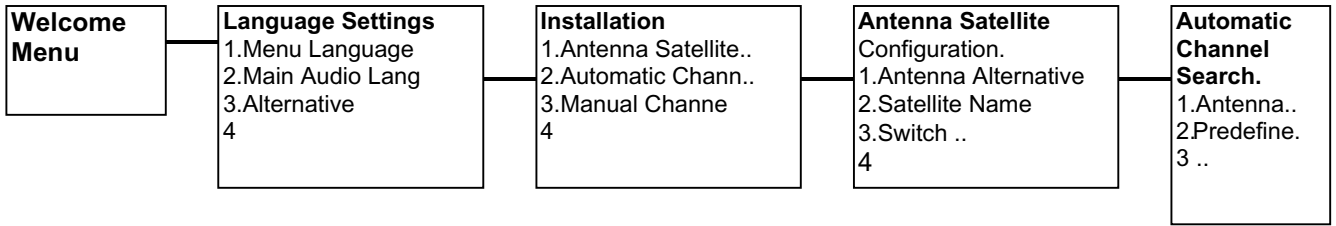
LNB IF IN/OUT	
RF modulator IN/OUT	
2 x SCART for TV and AUX	
2 x RCA Audio (L/R)	
1 x RCA Video (CVBS)	
RS 232C (9-pin D-Sub)	

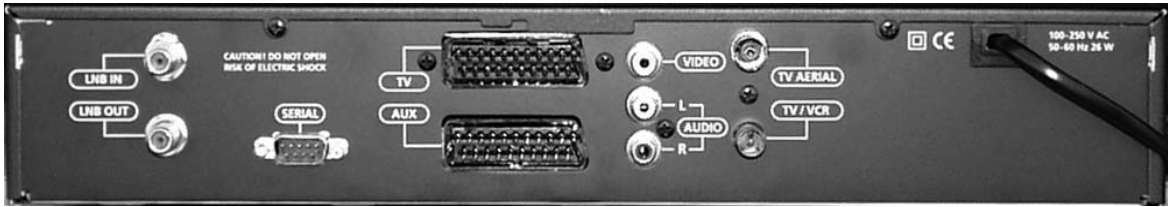
General Data

Operating Temperature	10 °C to 45°C
Storage temperature	-40°C to +70°C
Supply Voltage	96-264 V AC, 48 Hz-60 Hz
Power Consumption Max	26 W at 500 mA LNB Load
Power Consumption in Standby	8 W
Dimension (W x D x H)	380 x 270 x 70 mm
Weight	3.4 Kg

MENUS SCREEN STRUCTURE

First Time Installation





Nokia is a registered trademark of Nokia Corporation

www.nokia.com



66 76967-11

KQX1A644Z